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being spread by a long period code assigned to said base station, a second section of said one slot being spread by a first short period code having a spreading factor smaller than a spreading factor of said long period code and a second short period code having a spreading factor equal to or smaller than the spreading factor of said long period code; and

in a mobile terminal, despreading said second section of said one slot by using said first short period code, and conducting slot timing synchronization by using a 10 correlation value obtained as a result of despreading.

8. A cell search method according to claim 7, wherein said first short period code is a short period code common to base stations included in the mobile communication system, and said second short period code has a plurality of short period 15 codes so as to correspond to classification of the long period code spreading said first section,

the mobile terminal despreads said control signal at said synchronized slot timing by using the plurality of short period codes forming said second short period code, and discriminates the classification of the long period code spreading said first section on the basis of a correlation value obtained as a result of despreading,

the mobile terminal despreads said control signal at said  $^{25}$ synchronized slot timing by using a long period code belonging to said discriminated classification, and discriminates the long period code spreading said first section on the basis of a correlation value obtained as 30 a result of despreading.

9. A cell search method in a code division multiple access mobile communication system, said cell search method comprising the steps of:

channels, a first section of one slot of said control signal being spread by a long period code assigned to said base station, a second section of said one slot being spread by a first short period code having a spreading

factor smaller than a spreading factor of said long period code and a second short period code having a spreading factor smaller than the spreading factor of said long period code.

10. A cell search method according to claim 9, wherein said second short period code is transmitted plural times within said second section of said one slot.

11. A method of slot timing synchronization in a code division multiple access mobile communication system, comprising the steps of:

transmitting from a base station, via perch channel, a first signal spread by a long period spreading code assigned to said base station in a first section of one slot and spread by a first short period spreading code assigned to each channel for said base station;

transmitting from said base station, via said perch channels, a second signal spread by a second short period spreading code and a control signal spread by a third short period spreading code in a second section of said one slot, said second short period spreading code having a spreading factor lower than those of said long period spreading code and of said first short period spreading code, said third short period spreading code having a spreading factor not higher than those of said long period spreading code and of said first short period spreading code; and

in a mobile terminal, despreading said second section of said one slot by use of said second short period spreading code to provide a correlation value and conducting slot timing synchronization by use of said correlation

12. A method of slot timing synchronization according to claim 11, wherein transmission power with which the transmission is performed in said second section of said one slot transmitting a control signal from a base station via perch 35 in said base station is higher than transmission power with which the transmission is performed in said first section of said one slot in said base station.